



## List of Publications

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# List of Publications

## [Symbols]

**JE** in Japanese with English abstract

° The first author

\* Researchers belonging to University of Tsukuba, not to the Doctoral Program of Earth Evolution Sciences

\*\* Researchers not belonging to University of Tsukuba

\*\*\* Undergraduate students, graduate students and auditors belonging to University of Tsukuba

Anma, R. (2006): Drilling to Gabbro in Intact Ocean Crust. *Science*, **312**, 1016–1020. (with Wilson, D. S.°, Teagle, D. A. H.\*\*, Alt, F. C.\*\*, Banerjee, N. R.\*\*, Umino, S.\*\*, Miyashita, S.\*\*, Acton, G. D.\*\*, Barr, S. R.\*\*, Belghoul, A.\*\*, Carlucci, J.\*\*, Christie, D. M.\*\*, Coggon, R. M.\*\*, Cooper, K. M.\*\*, Cordier, C.\*\*, Crispini, L.\*\*, Durand, S. R.\*\*, Einaudi, F.\*\*, Galli, L.\*\*, Gao, Y.\*\*, Geldmacher, J.\*\*, Gilbert, L. A.\*\*, Hayman, N. W.\*\*, Herrero-Bervera, E.\*\*, Hirano, N.\*\*, Holter, S.\*\*, Ingle, S.\*\*, Jiang, S.\*\*, Kalberkamp, U.\*\*, Kerneklian, M.\*\*, Koepke, J.\*\*, Laverne, C.\*\*, Lledo Vasquez, H. L.\*\*, MacLennan, J.\*\*, Morgan, S.\*\*, Neo, N.\*\*, Nichols, H. J.\*\*, Park, S. H.\*\*, Reichow, M.\*\*, Sakuyama, T.\*\*, Sano, T.\*\*, Sandwell, R.\*\*, Scheibner, B.\*\*, Smith-Duque, C. E.\*\*, Swift, S. A.\*\*, Tartarotti, P.\*\*, Tikku, A. A.\*\*, Tominaga, M.\*\*, Veloso, E. A.\*\*\*, Yamasaki, T.\*\*, Yamazaki, S.\*\*, and Ziegler, C.\*\*) (2006): Zircon sensitive high mass-resolution ion microprobe U-Pb and fission-track ages for gabbros and sheeted dykes of the Taitao ophiolite, Southern Chile, and their tectonic implications. *Island Arc*, **15**, 130–142. (with Armstrong, R.\*\*, Danhara, T.\*\*, Orihashi, Y.\*\*, and Iwano, H.\*\*) (2006): Geologic reconnaissance of Lautaro volcano, Chilean Patagonia. *Revista Geologica de Chile*, **33**, 177–187. (with Motoki, A.°, Orihashi, Y.\*\*, Naranjo, J. A.\*\*, Hirata, D.\*\*, and Skvarca, P.\*\*) (2006): Prospects for the ocean-floor geothermochronology: U-bearing minerals, ages and geothermal gradients of Deep Sea Drilling Holes and ophiolites. *Fission-Track Newsletter*, **19**, 1–8. (**JE** with the IODP Expedition 309 & 312 Shipboard Scientific parties\*\*) (2006): Duplex structures in the Shimanto accretionary prism, Yakushima Island, SW Japan.

*Journal of Geological Society of Japan*, **112**, XVII–XVIII. (**JE** with Yamamoto, Y.°\*\*)

Arakawa, Y. (2006): Elemental and Sr isotope profiles of Cretaceous-Tertiary (K-T) boundary layers at Medetli, Golpazari, northwestern Turkey. *J. Saitama Univ., Faculty of Education (Mathematics and Natural Sciences)*, **56**, 373–384. (with Amakawa, H.\*\*, and Matsumaru, K.\*\*) (2006): Evidence for novel iron sulfide mineralization mediated by a hot-vent gastropod in protective iron armor. *Earth & Planetary Science Letter*, **242**, 39–50. (with Suzuki, S.°, Kopp, R. E.\*\*, Kogure, T.\*\*, Suga, A.\*\*, Takai, K.\*\*, Tsuchida, S.\*\*, Ozaki, N.\*\*, Hashimoto, J.\*\*, Kato, Y.\*\*, Mizota, C.\*\*, Hirata, T.\*\*, Chiba, H.\*\*, Nealson, K. H.\*\*, Horikoshi, K.\*\*, and Kirschvink, J. L.\*\*) (2006): Evolution of Hox genes in molluscs: a comparison among seven morphologically diverse classes. *Journal Molluscan Studies*, **72**, 259–266. (with Iijima, M.°, Akiba, N.\*\*, Sarashina, I., and Kuratani, S.\*\*) (2006): Skeletal matrix proteins of invertebrate animals: implication for the origin of metazoan biomineralization. *Paleontological Research*, **10**, 311–336. (with Sarashina, I.°) (2007): A note on heterogeneity in northern Pacific populations of the brachiopod species *Lingula anatina* Lamarck. *Earth Evolution Sciences, University of Tsukuba*, **1**, 33–36. (with Reymont, R. A.°, and Tsujimoto, Y.\*\*) (2006): Chemical and biological evolution of early Earth: constraints from banded iron formations. In *Evolution of Early Earth's Atmosphere, Hydrosphere, and Biosphere -Constraints from Ore Deposits* (Kesler, S. E. and Ohmoto, H. eds). *Geological Society of America Memoir*, **198**, 333–353. (with Ohmoto, H.°, Watanabe, Y.\*\*, Yamaguchi, K. E.\*\*, Naraoka, H.\*\*, Haruna, M.\*\*, Kakegawa, T.\*\*, and Kato, Y.\*\*) (2006): Oxygen isotope composition of hematite and genesis of high-grade BIF-hosted iron ores. In *Evolution of Early Earth's Atmosphere, Hydrosphere, and Biosphere -Constraints from Ore Deposits* (Kesler, S. E. and Ohmoto, H. eds). *Geological Society of America Memoir*, **198**, 257–268. (with Gutzmer, J.°, Mukhopadhyay, J.\*\*, Buekes, N. J.\*\*, Pack, A.\*\*, and Sharp, Z. D.\*\*) (2006): Quantitative analysis of fluid inclu-

- sions by synchrotron X-ray fluorescence: calibration of Cu and Zn in synthetic quartz inclusions. *European Journal of Mineralogy*, **18**, 309–318. (with Nagasaki, H.<sup>\*\*\*</sup>, and Iida, A.<sup>\*\*</sup>)
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